

### ABSTRACT

Described is a method for automatically configuring a HART multidrop system which  
5 includes a master device and a plurality of slave devices connected to said master device.  
Described also is a HART multidrop system customized for the implementation of the  
method. The method has the following steps:

- a) connecting the slave devices to the master device;
- b) switching on the power source for the slave devices in the master device;
- 10 c) transmitting the HART command "Write polling address" as a broadcast  
command from the master device with a polling address not equal to zero causing all slave  
devices connected to the master device to be automatically switched to the multidrop mode  
and all slave devices to obtain an identical address not equal to zero,
- d) changing the addresses for all slave devices from an identical address to a  
15 unique address for each slave device .